

**AMENDMENTS TO THE ABSTRACT**

Please add the following paragraph for the abstract:

Fluorescence biosensor chip having a substrate, at least one electromagnetic radiation detection device arranged in or on the substrate, an optical filter layer arranged on the substrate, and an immobilization layer, which is arranged on the optical filter layer and immobilizes capture molecules. The electromagnetic radiation detection device, the optical filter layer, and the immobilization layer are integrated in the fluorescence biosensor chip.